



## EXCEL INDUSTRIES LIMITED

PRODUCT NAME : CELJAL  
MATERIAL SAFETY DATA SHEET  
(According to 2001 / 58 / EC)

### SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product details

- **Chemical Name** : Proprietary blend.
- **Trade Name** : Celjal.
- **Synonyms** : ---

**Use of Substance** : Water Conditioner

- **Name of manufacturer** :

#### CORPORATE HEAD OFFICE :

Excel Industries Limited  
184-87, S.V. Road  
Jogeshwari (West)  
Mumbai - 400 102  
Maharashtra, INDIA  
Emergency Tel. : +91 22 6646 4200, 2678 8258  
Fax : +91 22 2678 3508

#### MANUFACTURED AT :

Excel Industries Limited  
D-9, MIDC Area,  
Lote Parshuram, Khed, 415 722.  
District - Ratnagiri.  
Maharashtra, INDIA.  
Emergency Tel. : +91 2356 272019/062.  
Fax : +91 2356 272336.

### SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	CAS No.	%	EC / EINECS No	Symbol	R/S Phrases
Proprietary blend. (Confidential)	----	2 %	----	 Xi, C	R36/37/38 R41

**Note:** See Section 16 for full text of R & S phrases mentioned above.

### SECTION 3 : HAZARDS IDENTIFICATION

Potential hazards : Irritant, Corrosive

Potential health effects : Irritant, Corrosive

Relevant route of exposure :

- Skin contact : Irritant effect on skin
- Eye Contact : Causes severe irritation to eyes, pain, burning. Risk of serious damage to eyes.
- Inhalation : Irritation of upper respiratory tract, lungs
- Ingestion : Irritation of mouth and digestive tract.
- R-phrases : R36/37/38, R41.
- S- phrases : -----
- Environmental effects : No data available.

- Hazard Symbols :   
Xi C



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**SECTION 4 : FIRST AID MEASURES**

- **General information:** Instantly remove any clothing contaminated by the product. Do not wait until symptoms appear, but follow immediately the instructions given below.
- **After eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during the flushing. Seek medical attention immediately.
- **After skin contact:** Remove contaminated clothing. Wash affected area with large amounts of water & soap. Seek medical attention immediately. If the clothing is contaminated, it should be laundered.
- **After inhalation:** In case of exposure remove exposed person to fresh air. If breathing has ceased, give artificial respiration immediately. Seek medical attention.
- **After ingestion:** First rinse mouth. Give large amount of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Keep at rest. Seek medical attention immediately.
- **Note to Physician:** Treat symptomatically.

**SECTION 5 : FIREFIGHTING MEASURES**

- Suitable extinguishing : Water, Dry Chemical powder, foam, CO2.
- Unsuitable fire : None.
- Extinguishing media
- Hazardous combustion : Carbon monoxide, Carbon Dioxide, Phosphorous oxides.
- Products
- Fire Fighting procedure : Do not enter the area without proper protection. Do not allow the firefighting water to enter water bodies.
- Special protective equipment for the fighters : Do not breathe fumes. Wear self-contained breathing apparatus and full protective clothing. Equipment should be thoroughly decontaminated after use.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Try to stop the leak without taking undue risk. Avoid contact with material. Use respiratory & personal protection recommended in Section 8.
- Environmental Precautions : Prevent mixing with water bodies, sewers.
- Methods for cleaning up : Construct temporary dykes of sand, earth, dirt to prevent spreading of material. Absorb on sand, suitable absorbents or inert material. Carefully collect material in containers for disposal. Use respiratory equipment & personal protective clothing. Dispose as per instructions mentioned in Section 13.
- Additional instructions : After cleanup operations, decontaminate & launder all protective clothing and equipment before storing & reusing.



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### SECTION 7 : HANDLING AND STORAGE

- **HANDLING:**

Information for safe handling: Only trained staff with special training and appropriate equipment must handle the product. Good industrial practice in housekeeping should be followed. Avoid contact with eyes, skin and clothing. Use personal protective equipment recommended in Section 8

- **Technical measures like containment, ventilation, spillage handling etc.:** Ensure good ventilation at workplace. Do not enter confined spaces until atmosphere has been checked.

- **STORAGE:**

**Conditions for safe storage:** Store in cool, dry, well-ventilated area away from heat and ignition sources. Keep containers securely sealed. Avoid physical damage to containers. Check regularly for spills/leaks. Store away from incompatible materials and foodstuff materials.

**Material of construction of containers:** HDPE Carboys, HMHDPE containers.

### SECTION 8 : EXPOSURE CONTROL / PERSONAL PROTECTION

- **Occupational exposure limit values / Biological limit values:** No data available
- **Applicable control measures, including engineering controls:** Good industrial practice in housekeeping and personal hygiene should be followed. Ensure adequate ventilation of workplace. If risk of overexposure exists, wear approved respirator. Provide eyewash facility & safety shower.
- **Industrial Hygiene Controls:** Good personal hygiene practices should be followed. Avoid contact with eyes, skin and clothing. Wash hands before breaks and after work. Take bath after work. Do not eat, drink, smoke in the workplace. Use personal protective equipment
- **Personal protective equipment for each exposure route (type & MOC):**
  - Respiratory protection : Wear respirator with appropriate filter in case of high concentration.
  - Hand protection : PVC / Rubber gloves.
  - Penetration time of glove material : Not available
  - Eye protection : Safety goggles, Full face shield
  - Skin protection : Chemical resistant apron
  - Foot : Safety shoes / Rubber gumboots



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### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

- **General Information:**

Physical state : Liquid  
Colour : Colorless to pale yellow clear liquid

- **Important Health, Safety & Environmental Information**

pH as it is : Less than 2

- **Other information:**

- Freezing / Melting point : -
- Specific gravity : 1.020± 0.02@ 25°C: Miscible in water
- Solubility in water : Miscible in water
- Flash point (with method) : Not applicable
- Auto ignition temperature : Not applicable

### SECTION 10 : STABILITY AND REACTIVITY

Chemical stability : Generally, stable under normal conditions of handling and storage.  
Conditions to avoid : Heat  
Materials to avoid : Corrodes base metals. Reacts with oxidizing substances, alkali's  
Hazardous decomposition products : Oxides of carbon, Oxides of phosphorus  
Hazardous polymerization : None

### SECTION 11 : TOXICOLOGICAL INFORMATION

#### Toxicology data :

Skin : Dermal LD50 (Rabbit) 10000mg / kg  
: Dermal LD50 (Rat) : 7000 mg/ kg  
Ingestion : Oral LD50 (Rat) : >2000 mg/ kg  
Inhalation : No data available  
Irritancy : Irritation of skin, eyes, respiratory system.

#### Acute effects :

Skin Contact : Irritation  
Eye Contact : Severe irritation  
Inhalation : Irritation  
Ingestion : Irritation

#### Chronic effects :

Sensitization : No data available  
Carcinogenicity : No data available  
Reproductive toxicity : None  
Teratogenicity : None  
Mutagenicity : None  
Toxicologically synergistic products : No data available.



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**SECTION 12 : ECOLOGICAL INFORMATION**

**Ecotoxicity:**

Aquatic toxicity	: EC50 / <i>Daphnia</i> / 48H: > 500 mg/l	LC50 / <i>Daphnia</i> / 96H: > 400 mg/l
Toxicity to algae	: EC50 / Algae / 96H: 3.0 mg/l	
Toxicity to fish	: LC50 / Rainbow trout / 96H: 368 mg/l	LC50 / Bluegill sunfish / 96H: 868 mg/l
Mobility	: No data available	
Persistence and degradability in soil/ water	: No data available	
Bioaccumulation potential	: No data available	
Other adverse effects (ODP, GWP, etc).	: No data available	

**SECTION 13 : DISPOSAL CONSIDERATION**

**Waste disposal information of product & contaminated packaging:** Spill and waste disposal procedures approved by state and local authorities must be observed. Labels should not be removed from containers until they have been cleaned and decontaminated. Decontaminate the container taking suitable precaution considering hazard before reuse or recycle and dispose off as per local rules.

**SECTION 14 : TRANSPORT INFORMATION**

**Land Transport ADR/ RID (cross border):**

ADR/RID-GGVS/E Class	: 8 (Corrosive)
UN Number	: 3265
Proper Shipping Name	: Corrosive liquid, Acidic, Organic, N.O.S.
Packaging group	: III
Label	: Corrosive.

**Maritime Transport IMDG**

IMDG Class	: 8 (Corrosive)
UN Number	: 3265
Proper Shipping Name	: Corrosive liquid, Acidic. Organic, N.O.S.
Packaging group	: III
EMS Number	: --
MFAG	: --
Marine Pollutant	: --
Label	: Corrosive.

**Air Transport ICAO/ IATA :**

ICAO / IATA Class	: 8 (Corrosive)
UN Number	: 3265
Proper Shipping Name	: Corrosive liquid, Acidic. Organic, N.O.S.
Packaging group	: III
Label	: Corrosive.



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**SECTION 15 : REGULATORY INFORMATION**

National laws/ Regional laws : As Applicable.

**SECTION 16 : OTHER INFORMATION**

Full text of R & S phrases given below:

R41 - Risk of serious damage to eyes

R36/37/38 - Irritating to eyes, respiratory system and skin.

**DISCLAIMER:** Information contained in this Material Safety Data Sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to the accuracy, suitability for a particular application or results to be obtained from them. It is up to the user to ensure that the information contained in the Material Safety Data Sheet is relevant to the product manufactured/ handled or sold by him as the case may be. Excel Industries Limited makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.